

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended) A spraying device comprising:

a cartridge containing a first liquid-fluid, the cartridge being removably connected to a sprayer body, the cartridge being oriented such that gravity exerts a downward force on the first liquid-fluid;

the sprayer body comprising:

a conduit for receiving a second liquid-fluid;

a movable valve coupled to structure having first and second liquid passageways, the first passageway communicating with the first liquid from the cartridge and the second passageway communicating with the second liquid flowing from the conduit, the valve allowing the second fluid to flow through the valve and creating a vacuum that draws the first fluid out of the cartridge and into the valve to enable the first and second fluids to mix and form an outlet stream,

a manual actuator positioned in operative relationship with the movable valve structure enabling movement of the valve structure between at least three discrete positions including:

a) a first position enabling the second liquid to flow through the valve structure to create a reduced pressure in the valve structure which draws the first liquid out of the cartridge and into the valve structure whereby the first and the second liquids mix to form an outlet stream which flows through the valve structure;

b) a second position enabling the second liquid only to flow through the valve structure and blocking the flow of the first liquid through the valve structure, and

c) a third position blocking the first and the second liquids from flowing through the valve structure; and

an orifice disposed in the spraying device for metering a predetermined amount of the first ~~fluid~~ liquid from the cartridge into the valve structure when the valve structure is in the first position to achieve a predetermined ratio of the first ~~fluid~~ liquid to the second ~~fluid~~ liquid in the outlet stream.

Claim 2 (Currently Amended) The spraying device of claim 1, wherein the first liquid ~~fluid~~ is a chemical.

Claim 3 (Currently Amended) The spraying device of claim 1, wherein the second liquid ~~fluid~~ is water.

Claim 4 (Original) The spraying device of claim 1, wherein the metering orifice is disposed in the sprayer body.

Claim 5 (Original) The spraying device of claim 1, wherein the metering orifice is disposed in the cartridge.

Claim 6 (Original) The spraying device of claim 1, wherein the metering orifice is on a metering disc that is adjustable to select one of several orifice sizes.

Claim 7 (Canceled)

Claim 8 (Currently Amended) The spraying device of claim 1, wherein the valve structure is coupled to a spray nozzle.

Claim 9 (Original) The spraying device of claim 8, wherein the spray nozzle is rotatably adjustable to provide different spray patterns.

Claim 10 (Original) The spraying device of claim 1, wherein the cartridge is made of flexible plastic.

Claim 11 (Currently Amended) The spraying device of claim 1, wherein the cartridge is capable of being disconnected from the sprayer body to enable the first liquid fluid ~~can be~~ to be dispensed from the cartridge by squeezing the cartridge in an inverted position.

Claim 12 (Currently Amended) The spraying device of claim 1, wherein the cartridge includes a check valve for keeping the cartridge sealed until the first liquid fluid ~~is~~ drawn out of the cartridge.

Claim 13 (Original) The spraying device of claim 1, wherein the check valve includes a duckbill portion and an umbrella portion.

Claim 14 (Original) The spraying device of claim 1, wherein the cartridge is not refillable.

Claim 15 (Original) The spraying device of claim 1, wherein the cartridge is refillable.

Claim 16 (Original) The spraying device of claim 1, wherein the cartridge includes a secondary threaded closure.

Claim 17 (Original) The spraying device of claim 1, wherein the conduit is coupled to a hose coupler.

Claim 18 (Original) The spraying device of claim 17, wherein the hose coupler includes an anti-siphon unit.

Claim 19 (Currently Amended) A spraying device comprising:

a sprayer body coupled to a cartridge containing a first liquid fluid;

the sprayer body comprising:

a conduit for receiving a second liquid fluid;

a valve structure coupled to the conduit, the valve structure allowing passage of the second liquid fluid through the valve structure to create a reduced pressure vacuum that draws the first liquid fluid out of the cartridge and into the valve structure without the need for a dip tube, the valve structure enabling the first and the second liquids fluids to mix and form an outlet stream,

the valve structure being movable between at least three positions including a first position for allowing the first and the second liquids to flow, a second position for allowing the second liquid to flow and for blocking the first liquid, and a third position for blocking flow of the first and the second liquids; and

an orifice disposed in the spraying device for metering a predetermined amount of the first liquid fluid into the valve structure to achieve a predetermined ratio of the first liquid fluid to the second liquid fluid in the outlet stream.

Claim 20 (Original) The spraying device of claim 19, wherein the metering orifice is disposed in the sprayer body.

Claim 21 (Original) The spraying device of claim 19, wherein the metering orifice is disposed in the cartridge.

Claim 22 (Original) The spraying device of claim 19, wherein the metering orifice is on a metering disc that is adjustable to select one of several orifice sizes.

Claim 23 (Currently Amended) The spraying device of claim 19, further including a spray nozzle coupled to the valve structure and being rotatably adjustable to provide different spray patterns.

Claim 24 (Currently Amended) The spraying device of claim 19, wherein the cartridge is capable of being disconnected from the sprayer body to enable the first liquid fluid ~~can~~ to be dispensed from the cartridge by squeezing the cartridge in an inverted position.

Claim 25 (Original) The spraying device of claim 19, wherein the cartridge includes a check valve.

Claim 26 (Currently Amended) The spraying device of claim 19, further including a hose coupler that is connected ~~coupled~~ to the conduit and includes an anti-siphon unit.

Claim 27 (Currently Amended) A spraying device comprising:
a sprayer body for removable connection with a cartridge containing a first liquid ~~fluid~~, the cartridge being oriented such that gravity exerts a downward force on the first fluid;
the sprayer body comprising:
a conduit for receiving a second liquid-fluid;
~~an actuator for selecting between at least two positions including a feed position;~~
a rotatable valve structure coupled to ~~an~~ the actuator and the conduit,
the rotatable valve structure allowing the second liquid fluid to flow through the valve structure to create a low pressure, ~~the valve creating a vacuum that draws the first liquid fluid~~ out of the cartridge and into the valve structure without the need for a dip tube, the rotatable valve structure enabling the first and the second liquids fluids to mix and form an outlet stream,

the actuator and the rotatable valve structure being movable between at least two positions including a first position for allowing the first and the second liquids to flow and a second position for allowing the second liquid to flow and for blocking the first liquid from flowing; and

an orifice disposed in the spraying device for metering a predetermined amount of the first liquid fluid into the valve structure to achieve a predetermined ratio of the first liquid fluid to the second liquid fluid in the outlet stream.

Claim 28 (Original) The spraying device of claim 27, wherein the metering orifice is disposed in the sprayer body.

Claim 29 (Original) The spraying device of claim 27, wherein the metering orifice is disposed in the cartridge.

Claim 30 (Original) The spraying device of claim 27, wherein the metering orifice is on a metering disc that is adjustable to select one of several orifice sizes.

Claim 31 (Currently Amended) The spraying device of claim 27, wherein the cartridge is capable of being disconnected from the sprayer body to enable the first liquid fluid ~~can~~ to be dispensed from the cartridge by squeezing the cartridge in an inverted position.

Claim 32 (Original) The spraying device of claim 27, wherein the cartridge includes a check valve.

Claim 33 (New) The spraying device of claim 27, wherein the actuator and the rotatable valve structure are movable into at least a third position wherein the flow of the first and the second liquids are blocked.